Supporting Information for

Ethanol Precipitation-assisted Highly Efficient Synthesis of Nitrogen-Doped Carbon Quantum Dots from Chitosan

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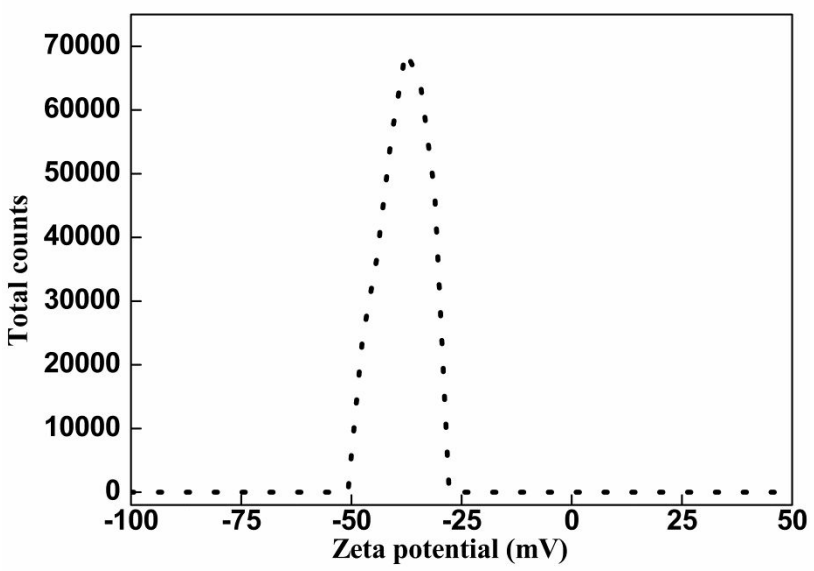

Figure S1. Surface charge profile of NCQDs obtained by a Malvern Nano instrument.

254 nm 365 nm

Figure S2. NCQDs ink (20 mg/ml) gave fluorescence words under a UV lamp of 365 nm and 254 nm.

When mixed with the polyvinyl alcohol (PVA) solution, the NCQDs/PVA composite film precursor was obtained. **Figure S3 (a-d)** exhibited the fluorescence microscopy images of the PVA/NCQDs film with daylight, UV, blue, and green light excitation.

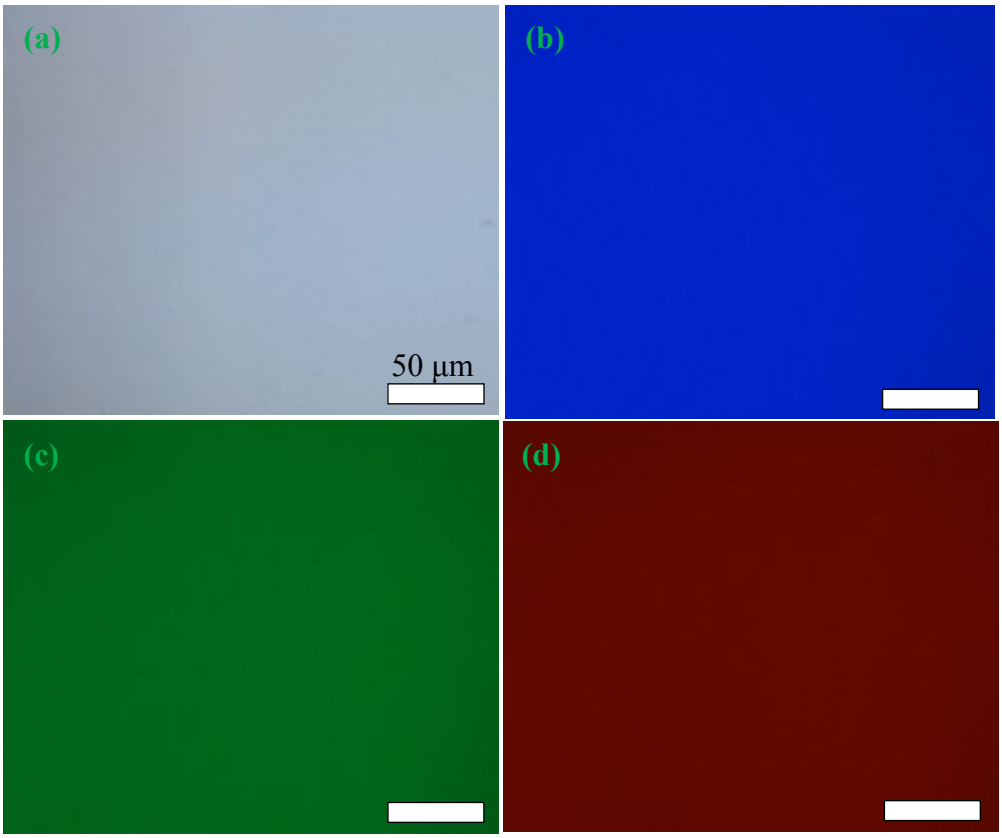

Figure S3. Fluorescence microscopy images of PVA/NCQDs film with (a) daylight, (b) UV, (c) blue, and (d) green light excitation.